Distribution of 100 Particles in Cases 1 to 3

Case 1

Particle Size (nm)	Number of Particles	Volume (nm³)	Volume Frequency (%)	Cumulative Volume Frequency (%)
5	3	196	0.0%	0.0%
10	10	5236	0.8%	0.8%
15	20	35343	5.3%	6.1%
20	30	125664	18.9%	25.0%
25	20	163625	24.6%	49.6%
30	10	141372	21.3%	70.9%
35	5	112246	16.9%	87.8%
40	1	33510	5.0%	92.8%
45	1	47713	7.2%	100.0%
50		0	0.0%	100%
60		0	0.0%	100%
70		0	0.0%	100%
90		0	0.0%	100%
100		0	0.0%	100%
Total	100	664905		

Case 2

Particle Size (nm)	Number of Particles	Volume (nm³)	Volume Frequency (%)	Cumulative Volume Frequency (%)
5	3	196	0.0%	0.0%
10	10	5236	0.8%	0.8%
15	20	35343	5.2%	6.0%
20	30	125664	18.4%	24.4%
25	20	163625	24.0%	48.4%
30	10	141372	20.7%	69.1%
35	5	112246	16.4%	85.5%
40	1	33510	4.9%	90.4%
45		0	0.0%	90.4%
50	1	65450	9.6%	100.0%
60		0	0.0%	100.0%
70		0	0.0%	100.0%
90		0	0.0%	100.0%
100		0	0.0%	100.0%
Total	100	682642		

Case 3

Particle Size (nm)	Number of Particles	Volume (nm³)	Volume Frequency (%)	Cumulative Volume Frequency (%)
5	3	196	0.0%	0.0%
10	10	5236	0.7%	0.7%
15	20	35343	4.8%	5.6%
20	30	125664	17.2%	22.8%
25	20	163625	22.4%	45.2%
30	10	141372	19.4%	64.6%
35	5	112246	15.4%	79.9%
40	1	33510	4.6%	84.5%
45		0	0.0%	84.5%
50		0	0.0%	85%
60	1	113097	15.5%	100%
70		0	0.0%	100%
90		0	0.0%	100%
100		0	0.0%	100%
Total	100	730289		

As the largest particle size differs in each of Cases 1 – 3, the cumulative volume frequency changes largely at the particle sizes of 40 nm and 45 nm.

EXHIBIT A
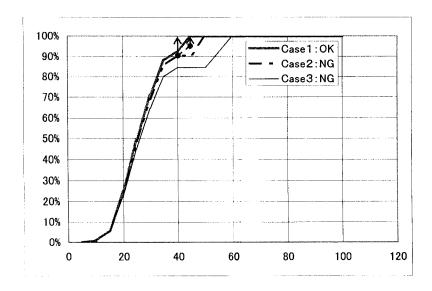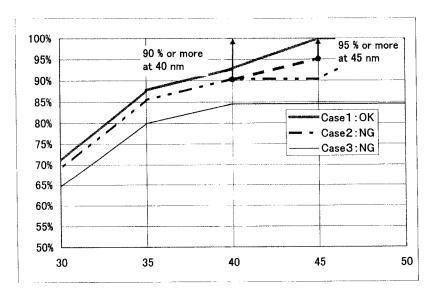
Plotting of Cases 1 - 3

The formula (1) in claim 1 is satisfied when:
　　Cumulative Volume Frequency is
　　　　90 % or more at Particle Size of 40 nm; and
　　　　95 % or more at Particle Size of 45 nm.

Only Case 1 falls within the scope of claims.

It is favorable that large size particles are as few as possible because they tend to cause surface roughness.

EXHIBIT B